

Notice of Allowability

Application No.

10/607,166

Examiner

Christopher Onuaku

Applicant(s)

ITO ET AL.

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2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Terminal Disclaimer filed 6/26/06.
2. ☒ The allowed claim(s) is/are 1-11.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Terminal Disclaimer

1. The terminal disclaimer filed on 6/26/06 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US Patent No.6,625,390 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

2. Claims 1-11 are allowable over the prior art of record.

3. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the invention relates to a data recording and reproducing apparatus which generates a plurality of divided data through dividing input data using a distributor if recording data, while generating redundancy-code data using Read-Solomon-code data which can perform error-correcting on a plurality of divided data, and records the divided data and the redundancy-code data from the HDD.

The closest reference Ito et al (US 5,719,985) disclose an information data recording/reproducing apparatus adapted for recording information data from an information data input unit to reproduce the recorded information data to output

reproduced data to an information data output unit, and an information data processing system provided with such information data recording/reproducing unit.

However, Ito et al fail to explicitly disclose a data recording and reproducing apparatus, where the apparatus further comprises means for recording and reproducing error-correcting-code data for generating a plurality of error-correcting-code data for the divided data to record the error-correcting-code data on a second non-linear accessible recording medium, while reproducing the error-correcting-code data recorded on the second non-linear accessible recording medium.

Regarding claim 6, the invention relates to a data recording and reproducing apparatus which generates a plurality of divided data through dividing input data using a distributor if recording data, while generating redundancy-code data using Reed-Solomon-code data which can perform error-correcting on a plurality of divided data, and records the divided data and the redundancy-code data from the HDD.

The closest reference Ito et al (US 5,719,985) disclose an information data recording/reproducing apparatus adapted for recording information data from an information data input unit to reproduce the recorded information data to output reproduced data to an information data output unit, and an information data processing system provided with such information data recording/reproducing unit.

However, Ito et al fail to explicitly disclose an AV server, where the the AV server further comprises means for recording and reproducing divided data for recording a plurality of divided data obtained through dividing data outputted from each of the

input/output processing means on a first non-linear accessible recording medium, while reproducing the divided data recorded on the first non-linear accessible recording medium, and means for recording and reproducing error-correcting-code data for generating a plurality of error-correcting-code data for the divided data to record the error-correcting-code data on a second non-linear accessible recording medium, while reproducing the error-correcting-code data recorded on the second non-linear accessible recording medium.

Regarding claim 7 the invention relates to a data recording and reproducing apparatus which generates a plurality of divided data through dividing input data using a distributor if recording data, while generating redundancy-code data using Reed-Solomon-code data which can perform error-correcting on a plurality of divided data, and records the divided data and the redundancy-code data from the HDD.

The closest reference Ito et al (US 5,719,985) disclose an information data recording/reproducing apparatus adapted for recording information data from an information data input unit to reproduce the recorded information data to output reproduced data to an information data output unit, and an information data processing system provided with such information data recording/reproducing unit.

However, Ito et al fail to explicitly disclose a method of recording and reproducing data, where the method further comprising recording a plurality of divided data obtained through dividing input data by a predetermined unit on a first non-linear accessible recording medium, while generating a plurality of error-correcting-code data for the

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divided data to record the error-correcting code data on a second non-linear accessible recording medium.

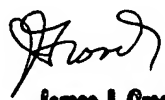
Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Onuaku whose telephone number is 571-272-7379. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

COO
6/30/06.


James J. Groody
Supervisory Patent Examiner
Art Unit 282-2621